

HAZARDOUS MATERIALS DATA SHEET
(PLEASE COMPLETE APPLICABLE SECTIONS)

DPM #673

1. PRODUCT NAME, NUMBER, SYNONYM: NOX-RUST 314
2. MANUFACTURER'S NAME: DAUBERT CHEMICAL COMPANY
3. MANUFACTURER'S ADDRESS: 4700 SOUTH CENTRAL AVENUE - CHICAGO, ILLINOIS 60638
4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: Remove container to safe area - flush spilled material with water
5. TRANSPORTATION AND STORAGE REQUIREMENTS: Store away from heaters & open flames
6. FIRST AID TREATMENT:
- A. SKIN CONTACT: Avoid excessive contact - rinse with water
- B. EYE CONTACT: Wash with water - get medical attention
- C. INHALATION: Fresh air - artificial respiration if necessary
- D. ANTIDOTE IN CASE OF SWALLOWING: Treat as for petroleum oil and/or solvent ingestion
7. PHYSIOLOGICAL PROPERTIES:
- A. ACUTE ORAL TOXICITY: Not determined for total product
- B. LOCAL EFFECTS UPON EYES: --
- C. LOCAL EFFECTS UPON SKIN: Local irritation
- D. ESTIMATE OF ACUTE HAZARD BY INHALATION (VOLATILE MATERIALS): Comparable to light viscosity petroleum oil & solvents - toxicity level 500 ppm
- E. WARNING PROPERTIES (ODOR, IRRITATION TO EYES, NOSE OR THROAT): Use with adequate ventilation
- F. ESTIMATED THRESHOLD LIMIT VALUE (IF NOT ON CURRENT LIST BY AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS): 500 ppm
8. CHEMICAL AND PHYSICAL PROPERTIES:
- A. SPECIFIC GRAVITY (WATER = 1) 0.894
- B. VAPOR DENSITY (AIR = 1) 8.0
- C. VAPOR PRESSURE mm Hg AT 25°C. _____
- D. pH _____
- E. CORROSIVE ACTION ON COMMON MATERIALS SUCH AS: ALUMINUM, MAGNESIUM, PLEXIGLAS, RUBBER, LACQUERS, ENAMELS, FABRICS: Non corrosive - will soften rubber

F. DOES THE MATERIAL DECOMPOSE WHEN EXPOSED TO AIR? WATER? HEAT? STRONG OXIDIZERS? _____

G. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS:

COMPOUND	PERCENT
BARIUM SALT OF ORGANIC ACIDS	15 (approx.)
AMINE SALT OF OLEIC ACID	8 "
GLYCEROL MONO OLEATE	6 "
ISOPROPYL ALCOHOL - WATER	2 - 10 "
MINERAL SPIRITS	30 "
ETHYLENE GLYCOL n-BUTYL ETHER	8 "

NOTE: GENERALIZATIONS SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES, CHLORINATED HYDROCARBONS, ETC., ARE NOT ADEQUATE FOR TOXICOLOGICAL EVALUATION. PROPER CHEMICAL NAMES MUST BE KNOWN.

H. DOES THE MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION? _____

9. PRECAUTIONS FOR NORMAL CONDITIONS OF USE: USE WITH ADEQUATE VENTILATION - AVOID EXCESSIVE CONTACT WITH LIQUID OR VAPORS

10. RECOMMENDED PROTECTIVE EQUIPMENT: _____

11. A. FLASHPOINT °F: CLOSED CUP 100°F. ; OPEN CUP _____ ; IF F.P. CHANGES DURING EVAPORATION GIVE DATA: _____

B. EXPLOSIVE LIMITS (% VOL. AIR): LOWER _____ ; UPPER _____

C. SUSCEPTIBILITY TO SPONTANEOUS HEATINGS: YES _____ ; NO X

D. FIRE POINT °F 125°F. ; AUTO IGNITION TEMPERATURE °F Unknown

E. VAPOR DENSITY _____

F. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? _____

G. SUITABLE EXTINGUISHING AGENTS: CO2

12. INFORMATION FURNISHED BY:

TITLE: R. F. Wollek, Manager, Industrial Products Research

COMPANY: DAUBERT CHEMICAL COMPANY

ADDRESS: 4700 South Central Avenue

DATE: Chicago, Illinois 60638
November 12, 1970

NOTE: INFORMATION IN REGARD TO A MATERIAL'S COMPOSITION WILL BE TREATED AS CONFIDENTIAL AND USED FOR THE PURPOSE OF PROTECTING THE HEALTH AND SAFETY OF MCDONNELL DOUGLAS CORP. EMPLOYEES AND THE SAFEGUARDING OF ITS PROPERTY. IT WILL ALSO BE USED FOR THE PURPOSE OF COMPLYING WITH LOCAL, STATE AND FEDERAL ORDINANCES, LAWS AND CODES, AND REQUIREMENTS OF GOVERNMENTAL AGENCIES.

THE COMPLETED FORM SHOULD BE RETURNED TO PURCHASING, DOUGLAS AIRCRAFT DIVISION, LONG BEACH, CALIF. 90801.